

Recombinant Full Length Human PARN Protein

Cat. No. PARN-358HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PARN with an N terminal proprietary tag; Predicted MWt 96.4 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	639 amino acids
Description	The protein encoded by this gene is a 3-exoribonuclease, with similarity to the RNase D family of 3-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	96.400kDa inclusive of tags
AA Sequence	MEIIRSNFKSNLHKVYQAIIEADFFAIDGEFSGISDGPSV SALTNGFDTPEERYQKLK KHSMDFLLFQFGLCTFKYDYTD SKYITKSFNFYVFPKPFNRSSPDVKFVCQSSSIDF LASQG FDFNKVFRNGIPYLNQEEERQLREQYDEKRSQANGAGALS YVSPNTSKCP

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VTIPEDQKKFIDQVVEKIEDLLQSEENKNL DLEPCTGFQRKLIYQTLWKYPKGIHVE
 TLETEKKERYIV ISKVDEEERKRREQQKHAKQEELNDVGFSRVIHAANS GKLVI
 GHNMLLDVMHTVHQFYCPLPADLSEFKEMTTCVFP RLLDTKLMASTQPFKDIIINNTS
 LAELEKRLKETPFNPPKV ESAEGFPSYDTASEQLHEAGYDAYITGLCFISMANYLGS
 F LSPPKIHVSARSKLIEPFFNKLFLMRVMDIPYLNLEGPDL QPKRDHVLHVTFPKEW
 KTSPLYQLFSAFGNIQISWIDDTS AFVLSQPEQVKIAVNTSKYAESYRIQTYAEYMG
 RKQEEK QIKRKWTEDSWKEADSKRLNPQCIPYTLQNHYYRNNSTFA PSTVGKRNL
 SPSQEEAGLEDGVSGEISDTELEQTDSCAEP LSEGRKKAKKLKRMKKELSPAGSIS
 KNSTATLFEVPDTW

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name PARN poly(A)-specific ribonuclease [Homo sapiens]

Official Symbol PARN

Synonyms PARN; poly(A)-specific ribonuclease; poly(A) specific ribonuclease (deadenylation nuclease); poly(A)-specific ribonuclease PARN; DAN; deadenylation nuclease

Gene ID 5073

mRNA Refseq NM_001134477

Protein Refseq NP_001127949

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MIM	604212
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UniProt ID	O95453
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